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meet the requirements of both miniaturization and strong magnetic force at the same time.

The foregoing description of the present invention has been presented for the purposes of illustration and description. It is not intended to be exhaustive or to limit the invention to the precise form disclosed, and obviously many modifications and variations are possible in light of the above teaching. Such modifications and variations that may be apparent to those skilled in the art are intended to be included within the scope of this invention as defined by the accompanying claims.

What is claimed is:

1. An electrical connector, comprising:

an insulating housing having a base body of which a front surface is inclined to act as a mating face, the mating face being concaved rearward to define a plurality of terminal grooves penetrating through the base body and a plurality of receiving grooves of substantial U-shape each surrounding one of the terminal grooves, wherein there are some terminal grooves without being surrounded by any receiving grooves and each of them is located between every two adjacent receiving grooves;

a plurality of terminals inserted forward in the terminal grooves of the insulating housing respectively, each terminal having a contact end exposed outside through a front end of the corresponding terminal groove; and

a plurality of magnet units of which each is of substantial U-shape being assembled in the receiving groove of the insulating housing.

2. The electrical connector as claimed in claim 1, wherein an inner sidewall of the receiving groove defines an interfering rib, the magnet unit is steadily assembled in the corresponding receiving groove of the insulating housing by interfering with the interfering rib.

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3. The electrical connector as claimed in claim 1, wherein each of the terminals has a cylindrical connecting portion inserted forward in the terminal groove, a front end of the connecting portion is slantwise designed to form the contact end, a front side of the magnet unit is inclined to make the contact ends of the terminals, the mating face of the base body and the front sides of the magnet units located in the same inclined plane.

4. The electrical connector as claimed in claim 3, wherein a rear end of each terminal groove is spread outward to form a positioning fillister, a rear end of the connecting portion protrudes outward to form a blocking portion positioned in the positioning fillister, and protrudes rearward to form a soldering portion stretching behind the base body.

5. The electrical connector as claimed in claim 4, wherein an inner sidewall of the positioning fillister shows a flat shape and is acted as a foolproof wall, a part of the blocking portion corresponding to the foolproof wall is cut off to form a foolproof face cooperating with the foolproof wall to avoid mis-inserting the terminal in the terminal groove and further ensure the contact end of the terminal and the mating face of the insulating housing in the same inclined plane.

6. The electrical connector as claimed in claim 4, wherein an outer periphery of the connecting portion protrudes outward to form a fastening portion interfering with an inner periphery of the corresponding terminal groove to secure the terminal in the terminal groove.

7. The electrical connector as claimed in claim 1, wherein a rear surface of the base body protrudes rearward to form at least one locating portion with a locating hole opened therein.

8. The electrical connector as claimed in claim 1, wherein a rear surface of the base body protrudes rearward to form a tongue board with a buckle portion protruding therefrom.

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